

**MICHAEL O. SCHEINBERG**  
Patent Attorney

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July 22, 2005

# Fax

Name: Examiner Michael T. Cygan  
Art Unit: 2855  
Organization: United States Patent and Trademark Office  
Fax: 1-571-273-8300

From: Michael O. Scheinberg  
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Date: July 22, 2005  
Subject: Response to Office Action  
Docket No.: F033-3  
Pages: 18 (including this coversheet)

APPLICATION No.: 10/763,061      ART UNIT: 2855  
FILING DATE: January 22, 2004      EXAMINER: Michael T. Cygan  
INVENTOR(S): Randall Lee, Thomas Owen Mitchell and J. J. L. Mulders  
TITLE: Directed Growth of Nanotubes on a Catalyst

Attached please find:

1. Response to Office Action (13 pp.)
2. Terminal Disclaimer (1 p.)
3. Fee Transmittal in Duplicate (2 pp); and
4. PTO Form No. 2038 (1 p.)

Michael O. Scheinberg  
Patent Reg. No.: 36,919

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PTO/SB/17 (12-04/2)

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 130.00

**Complete if Known**

Application Number	10/763,061
Filing Date	January 22, 2004
First Named Inventor	Lee, Randall
Examiner Name	Cygan, Michael T.
Art Unit	2855
Attorney Docket No.	F033-3

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
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_____ - 20 or HP = _____	x	_____ = _____
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HP = highest number of total claims paid for, if greater than 20.

<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
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_____ - 3 or HP = _____	x	_____ = _____
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HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
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_____ - 100 = _____	/ 50 = _____	(round up to a whole number) x _____ = _____
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**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Terminal Disclaimer

Fees Paid (\$)

130.00

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	36,919	Telephone (512) 328-9510
Name (Print/Type)	Michael O. Scheinberg			Date July 22, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04/2)

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				<b>Fee Paid (\$)</b>

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<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
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ART UNIT: 2855

FILING DATE: January 22, 2004

EXAMINER: Michael T. Cygan

INVENTOR(S): Randall Lee, Thomas Owen Mitchell and J. J. L. Mulders

TITLE: Directed Growth of Nanotubes on a Catalyst

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO OFFICE ACTION**

Applicants respond as follows to the April 22, 2005 Office Action:

**Amendments to the Claims** are reflection in the listing of claims which begins on page 2 of this paper.

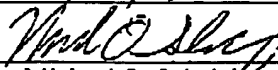
**Remarks/Arguments** begin on page 10 of this paper.

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**CERTIFICATE OF TRANSMISSION UNDER 37 CFR 1.8**

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On: 7/23/05

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